

Title (en)

Electromagnetic wave resistivity tool having tilted antenna

Title (de)

Elektromagnetisches Wellenresistivitätswerkzeug mit geneigter Antenne

Title (fr)

Outil de mesure de résistivité au moyen d'ondes électromagnétiques muni d'antennes inclinées

Publication

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Application

EP 09166405 A 20000124

Priority

- EP 00908351 A 20000124
- US 23883299 A 19990128

Abstract (en)

[origin: EP2110687A2] This invention is directed to a method and apparatus for determining at least one property of an earth formation. The present invention accomplishes this objective by using an antenna configuration in which at least one of a transmitter antenna (T1) and a receiver antenna (R1) are oriented in a plane that is not orthogonal to the tool axis. Preferably, either the transmitter or the receiver is mounted in a conventional orientation in a first plane that is normal to the tool axis, and the other antenna is mounted in a second plane that is not parallel to the first plane.

IPC 8 full level

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CPC (source: EP US)

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Cited by

CN101799558A; GB2491996B; US10119388B2; US10358911B2

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WO 0045195 A1 20000803; WO 0045195 A8 20001026; AT E520998 T1 20110915; CA 2359371 A1 20000803; CA 2359371 C 20041005; EP 1155343 A1 20011121; EP 1155343 A4 20030806; EP 1155343 B1 20110309; EP 1155343 B2 20170111; EP 2108981 A2 20091014; EP 2108981 A3 20091223; EP 2108981 B1 20110518; EP 2110687 A2 20091021; EP 2110687 A3 20091216; EP 2110687 B1 20110817; EP 2110687 B2 20190116; NO 20013707 D0 20010727; NO 20013707 L 20010918; NO 20101599 A1 20010918; NO 331402 B1 20111219; NO 334192 B1 20140113; US 2008258733 A1 20081023; US 2008278169 A1 20081113; US 2009224764 A1 20090910; US 2010123462 A1 20100520; US 2011199088 A1 20110818; US 6163155 A 20001219; US 7557579 B2 20090707; US 7557580 B2 20090707; US 7948238 B2 20110524; US 8085049 B2 20111227

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